UTILITY PATENT APPLICATION TRANSMITTAL

Mail Stop Patent Application

Honorable Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Case Docket No. 50229-343

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the patent application of:

INVENTOR(S): SCHARDL, Christopher, Dr., Zurich, Switzerland

WILKINSON, Dr. Heather H., College Station, TX SPIERING, Martin J., Dr., Lexington, Kentucky

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ENCLOSED ARE:

[X]	133 pages of written specification and 1 page(s) of an Abstract of the Disclosure.
[X]	4 pages of claims.
[X]	6 sheets of drawings (Figs. 1-6).
[]	A Preliminary Amendment.
[]	A Combined Declaration/Power of Attorney signed by the inventor(s).
[X]	Applicant(s) qualify for Small Entity Status under 37 C.F.R. § 1.9 and 37 C.F.R. § 1.27 and such status is
	hereby claimed.
[]	An assignment recordation cover sheet and an assignment of the invention to
[]	An Information Disclosure Statement and copies of references.
[]	Other:

THE FILING FEE HAS BEEN CALCULATED AS SHOWN BELOW:

			Small Entity			Large Entity	
	Number Filed	Number Extra	Rate	Fee		Rate	Fee
Basic Filing Fee				\$ 375	}		\$750
Total Claims Filed	25	= 5	x 9	≈ \$ 45	OR	x 18	\$
Total Independent Claims	4	= 1	x 42	= \$ 42		x 78	\$
[] MULTIPLE DEPENDEN	+ 130	= \$ 0	}	+ 260	\$		
* If the difference is less that	TOTAL	\$ 462.00]	TOTAL	\$		



METHOD OF FEE PAYMENT

- [] A check in the amount of \$____ is attached.
- [X] Please charge Deposit Account No. 50-0417 in the amount of \$ 462.00 (Small Entity).

PROVISIONAL PETITION FOR EXTENSIONS OF TIME

A Provisional Petition is hereby made under 37 C.F.R. § 1.136(a) for any extensions of time required to ensure that any papers due in the U.S. Patent and Trademark Office during the pendency of the attached patent application and any continuation or division thereof, are timely filed. Please charge any fees due for any extensions of time to Deposit Account No. 50-0417. A duplicate copy of this communication is attached.

CORRESPONDENCE ADDRESS: Please direct all correspondence and telephone calls to:

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Respectfully submitted,

By:

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Date: 6/24/2003